

Appl. No. 10/517,244

Reply to Office Action of August 5, 2005

Amendments to the Specification:

Please replace the abstract with the following rewritten abstract:

A hydrogen occluding material represented by the formula AlH_x (where $0 \leq x \leq 3$), which occludes much more hydrogen than conventional alkali metal hydride (such as $NaAlH_4$) through reversible reactions and yet permits hydrogen occlusion and release in one stage at a lower operating temperature of 200°C or below, and a method for using said hydrogen occluding material are provided.

~~A hydrogen occluding material which comprises an aluminum hydride represented by the formula (1) below:~~



~~(where $0 \leq x \leq 3$)~~

~~A method for using a hydrogen occluding material, said method comprising hydrogenating and/or dehydrogenating at 200°C or below a hydrogen occluding material composed of an aluminum hydride represented by the formula (1) above.~~

BEST AVAILABLE COPY